Sustaining Ecosystems Biome Setup

**AQUATIC PLANTS MODEL**

1. Collect materials.
   1. (2) 16-oz containers
   2. 2 Elodea sprigs – 4cm long each
   3. Fertilizer solution
   4. Distilled water
   5. Aquarium gravel
   6. scissors
   7. Vernier interface
   8. pH probe
   9. dissolved oxygen probe
   10. temperature probe
2. Label a piece of blue tape with your last name and put it on the side of your container(s).
3. Cover the bottom of each container with aquarium gravel.
4. Fill one container with distilled water.
5. Fill the other container with fertilizer solution.
6. Place one of your Elodea sprigs in each container.
7. Make an observation table. You will be collecting data on the following items:
   1. Length of Elodea sprig
   2. Color of Elodea sprig
   3. pH of water
   4. dissolved oxygen in water
   5. temperature of water
   6. odor of water
   7. color of water